VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS

Please substitute the following amended claim(s) for corresponding claim(s) previously presented. A copy of the amended claim(s) showing current revisions is attached.

1. (Amended) A magnetic assembly for being received in an armature slot for retaining armature coil components therewithin, said assembly having a longitudinal dimension generally parallel to an axis of said armature slot and a thickness dimension in a direction generally perpendicular to said longitudinal dimension and aligned in a depth direction of said armature slot, said magnetic assembly comprising:

a magnetic armature wedge structure including a molded body [of a resin material having a magnetic material embedded therewithin] having a magnetic core and a resin part encapsulating said magnetic core, said magnetic [material being embedded in said molded body so as to be] core disposed to extend along substantially an entire length thereof.

4. (Amended) A magnetic assembly as in claim 1, wherein said magnetic [material embedded] core encapsulated in said [molded body] resin part of said magnetic armature wedge structure comprises a pair of oppositely wound wires attached at respective ends.

5. (Amended) A magnetic assembly as in claim 1, wherein said magnetic [material embedded] core encapsulated in said [molded body] resin part of said magnetic armature wedge structure comprises a plurality of sticks of magnetic material, each said stick being oriented so that a longitudinal axis thereof is generally transverse to each of said length dimension and said thickness dimension of said wedge.

8. (Amended) A magnetic assembly as in claim 1, wherein said magnetic [material embedded] core encapsulated in said [molded body] resin part of said magnetic armature wedge structure comprises a plurality of laminated plates of magnetic material, each said plate being oriented in a direction generally transverse to said length dimension.

10. (Amended) A magnetic assembly as in claim 1, wherein said magnetic [material embedded] core encapsulated in said [molded body] resin part of said magnetic armature wedge structure comprises [a] an elongated centrally disposed magnetic core made from mixing resin and ferromagnetic particles.

Kindly add the following new claims:

--20. (New) A magnetic assembly for being received in an armature slot for retaining armature coil components therewithin, said assembly having a longitudinal dimension generally parallel to an axis of said armature slot and a thickness dimension in a direction generally perpendicular to said longitudinal dimension and aligned in a depth direction said armature slot, said magnetic assembly comprising:

a magnetic armature wedge structure including a molded body of a resin material having a magnetic material embedded therewithin, said magnetic material being embedded in said molded body so as to be disposed along substantially an entire length thereof, and further comprising a magnetic wedge slide adjacent said magnetic armature wedge structure, between said magnetic armature wedge structure and said armature coil components, said magnetic wedge slide being formed from resin having ferromagnetic particles distributed therethrough.

21. (New) A magnetic assembly as in claim 20, wherein a volumetric mixing ratio of the magnetic wedge slide, defined as

$$\eta_{mag} = \frac{V_{mag}}{V_{mag} + V_{resin}}$$

where V_{mag} is the volume of magnetic particles and V_{resin} is the resin volume, is in a range of about 20 - 80% .

22. (New) A magnetic assembly as in claim 20, wherein said magnetic material embedded in said molded body of said magnetic armature wedge structure comprises a pair of oppositely wound wires attached at respective ends.

23. (Amended) A magnetic assembly as in claim 20, wherein said magnetic material embedded in said molded body of said magnetic armature wedge structure comprises a plurality of sticks of magnetic material, each said stick being oriented so

that a longitudinal axis thereof is generally transverse to each of said length dimension and said thickness dimension of said wedge.

24. (New) A magnetic assembly as in claim 23, wherein each said stick is comprised of silicon/iron for increasing slot leakage reactance.

25. (New) A magnetic assembly as in claim 23, wherein each said stick is coated with a non-metallic material prior to being embedded in the molded body.

26. (New) A magnetic assembly as in claim 20, wherein said magnetic material embedded in said molded body of said magnetic armature wedge structure comprises a plurality of laminated plates of magnetic material, each said plate being oriented in a direction generally transverse to said length dimension.

27. (New) A magnetic assembly as in claim 26, wherein each said laminated plate is formed from silicon/iron for increasing slot leakage reactance.

28. (New) A magnetic assembly as in claim 20, wherein said magnetic material embedded in said molded body of said magnetic armature wedge structure comprises a magnetic core made from mixing resin and ferromagnetic particles that is encapsulated in resin.

29. (New) A magnetic assembly as in claim 28, wherein said magnetic core has a generally circular cross-sectional shape.

30. (New) A magnetic assembly for being received in an armature slot for retaining armature coil components therewithin, said assembly having a longitudinal dimension generally parallel to an axis of said armature slot and a thickness dimension in a direction of generally perpendicular to said longitudinal dimension and aligned in a depth direction said armature slot, said magnetic assembly comprising:

a magnetic armature wedge structure including a molded body having a magnetic core and a resin part encapsulating said magnetic core, said magnetic core disposed to extend along substantially an entire length thereof, wherein said magnetic core encapsulated in said molded body of said magnetic armature wedge structure comprises an elongated magnetic core made from mixing resin and ferromagnetic particles, and wherein said magnetic core has a generally circular cross-sectional shape.--